

Application No.: 10/694,310  
Reply to Office Action of April 14, 2005

### Amendments to the Specification

Please replace the third paragraph on page 3 with the following amended paragraph:

In accordance with another feature of the invention, a method is provided for simultaneously regenerating a particulate filter coupled to an internal combustion engine and for desulfating a lean NOx trap disposed downstream of the particulate filter. The method includes adjusting at least one engine operating parameter to maintain a desired air fuel ratio for gases exiting the ~~lean NOx trap~~ particulate filter in accordance with a difference between a reference set point air fuel ratio level and the air fuel ratio of gases exiting the ~~lean NOx trap~~ particulate filter. The reference set point level is changed between a rich air fuel ratio and a lean air fuel ratio as a function of the air fuel ratio of the gases exiting the lean NOx trap.

Please replace the Abstract with the following amended Abstract:

A method and system for simultaneously regenerating a particulate filter coupled to an internal combustion engine and for desulfating a lean NOx trap disposed downstream of the particulate filter. The method includes adjusting at least one engine operating parameter to maintain a desired air fuel ratio for gases exiting the ~~lean NOx trap~~ particulate filter in accordance with a difference between a reference set point air fuel ratio level and the air fuel ratio of gases exiting the ~~lean NOx trap~~ particulate filter and wherein the reference set point level is changed between a rich air fuel ratio and a lean air fuel ratio as a function of the air fuel ratio of the gases exiting the lean NOx trap.